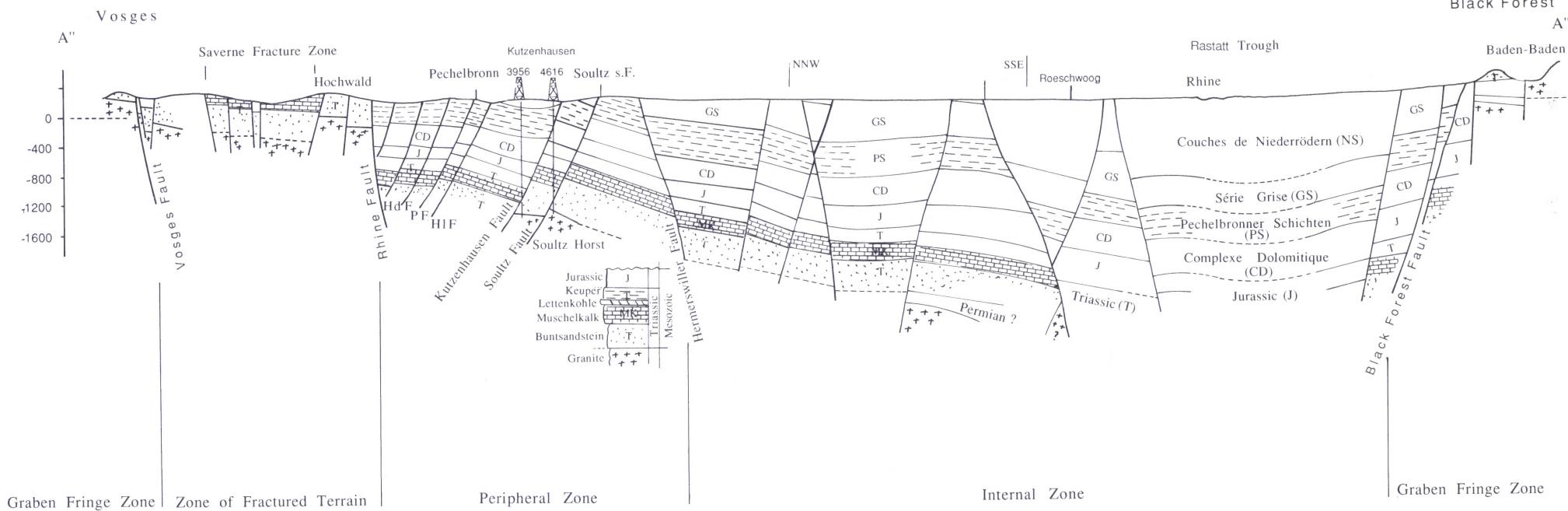


Figure 68 Lithostratigraphy, petroleum geology, hydrostratigraphy and geohistory of the study area



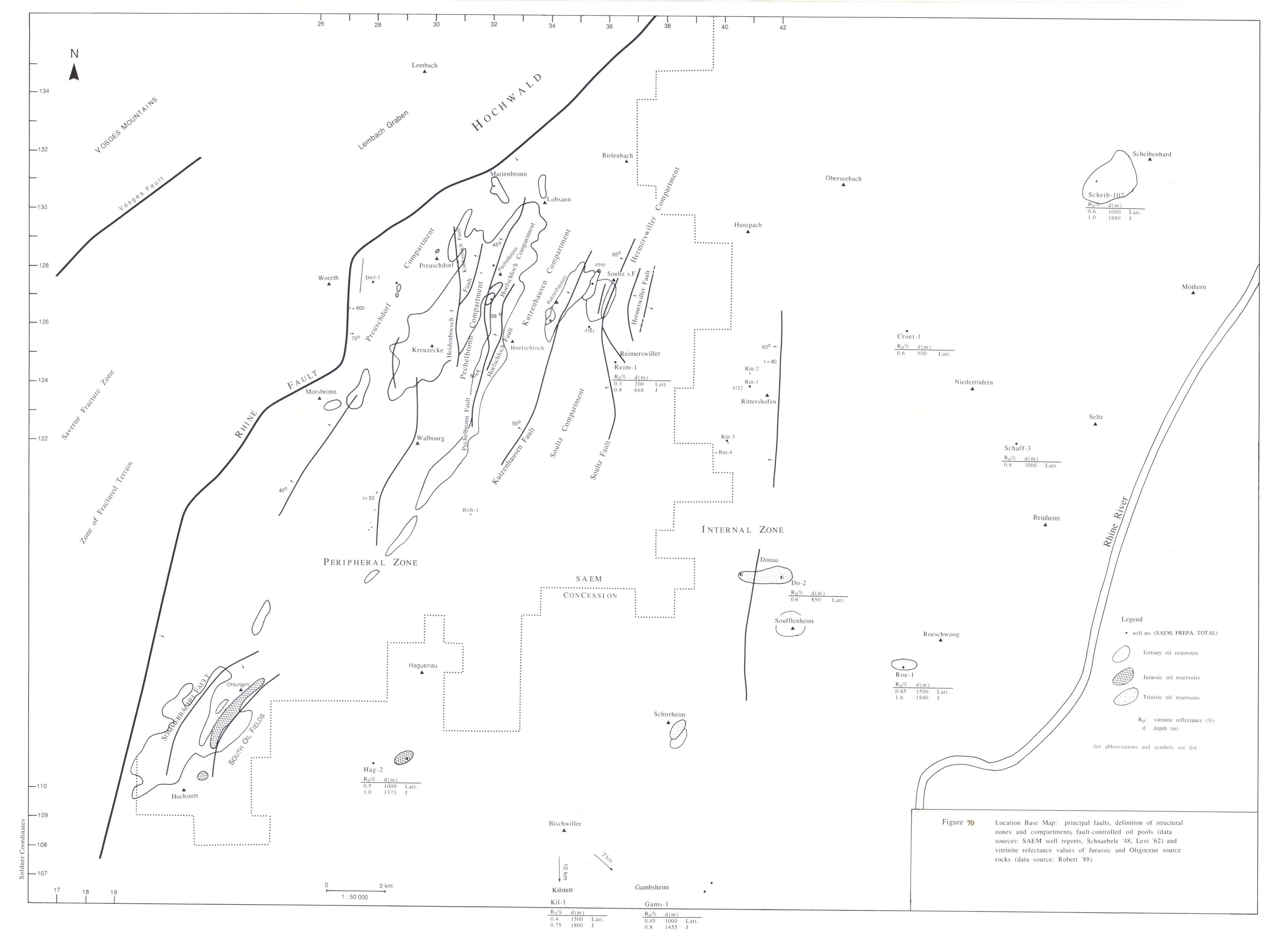


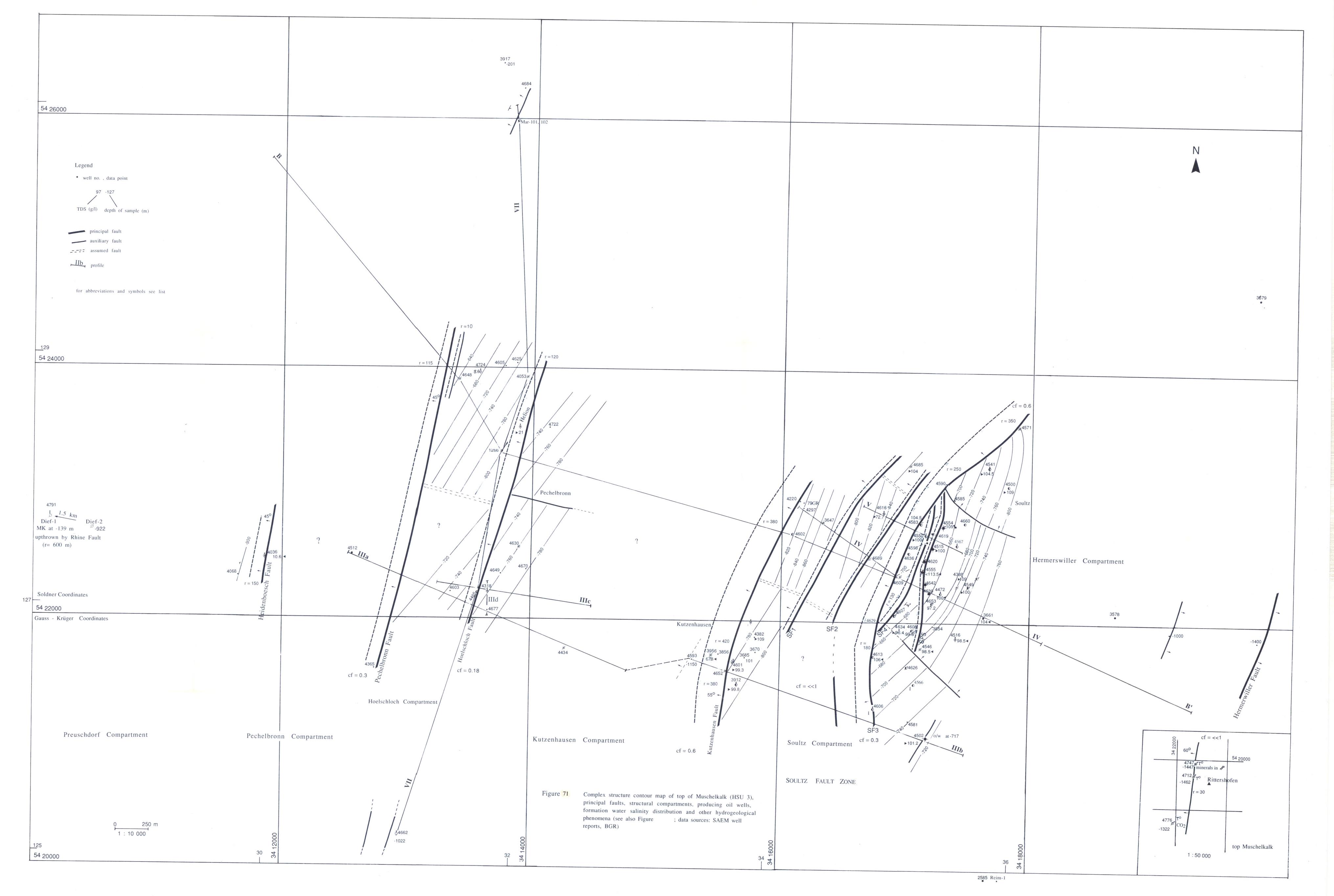


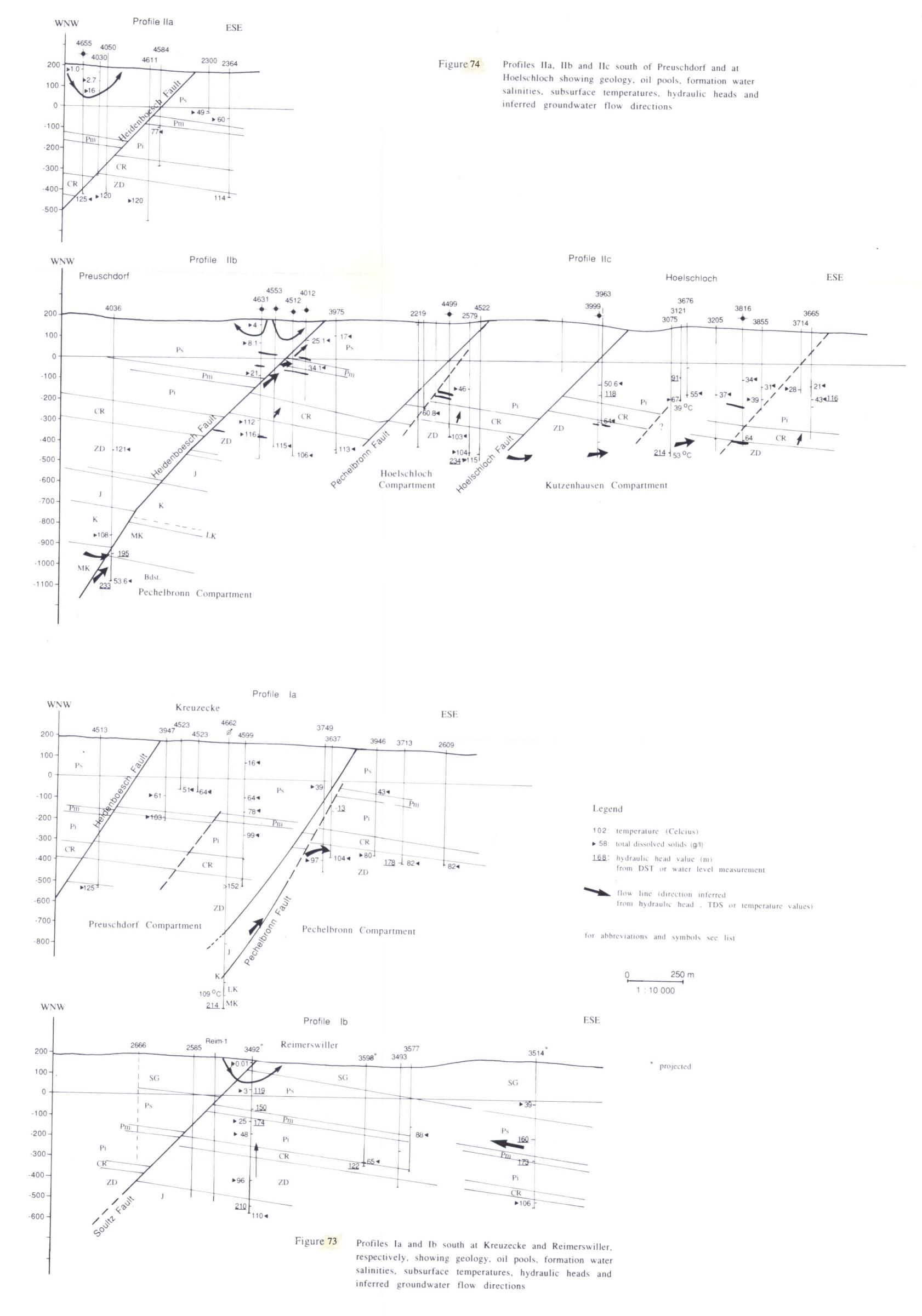
Regional simplified cross-section (A"-A"") of the Upper Rhine Graben study area Figure 69 (data sources: SAEM, PREPA well reports, Sittler '85) and definition of strucutral zones and elements

8 km

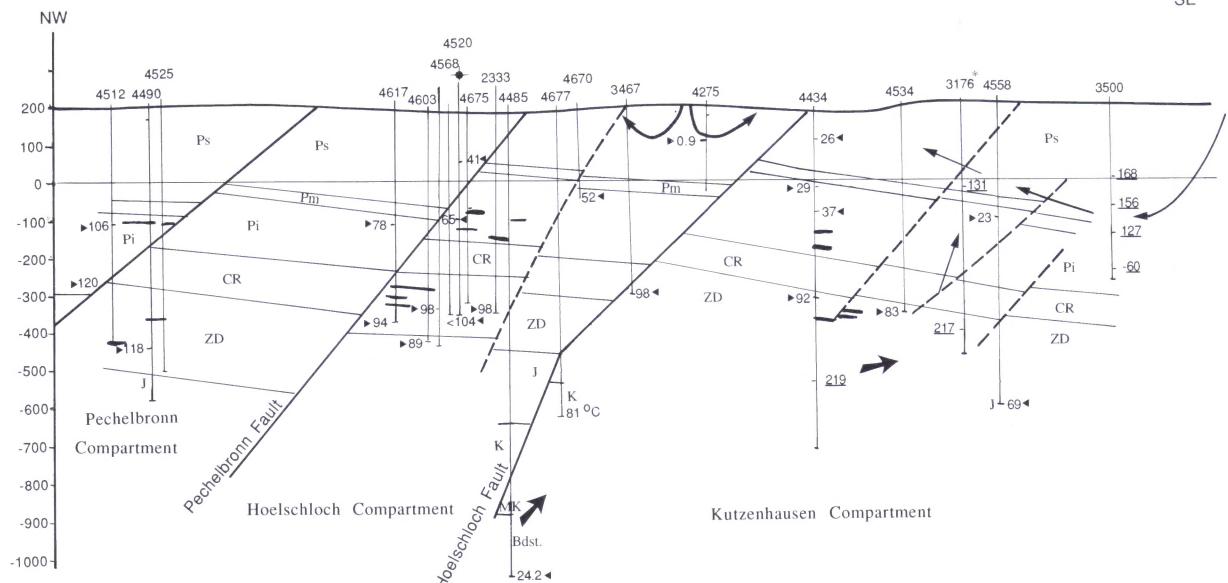
NW



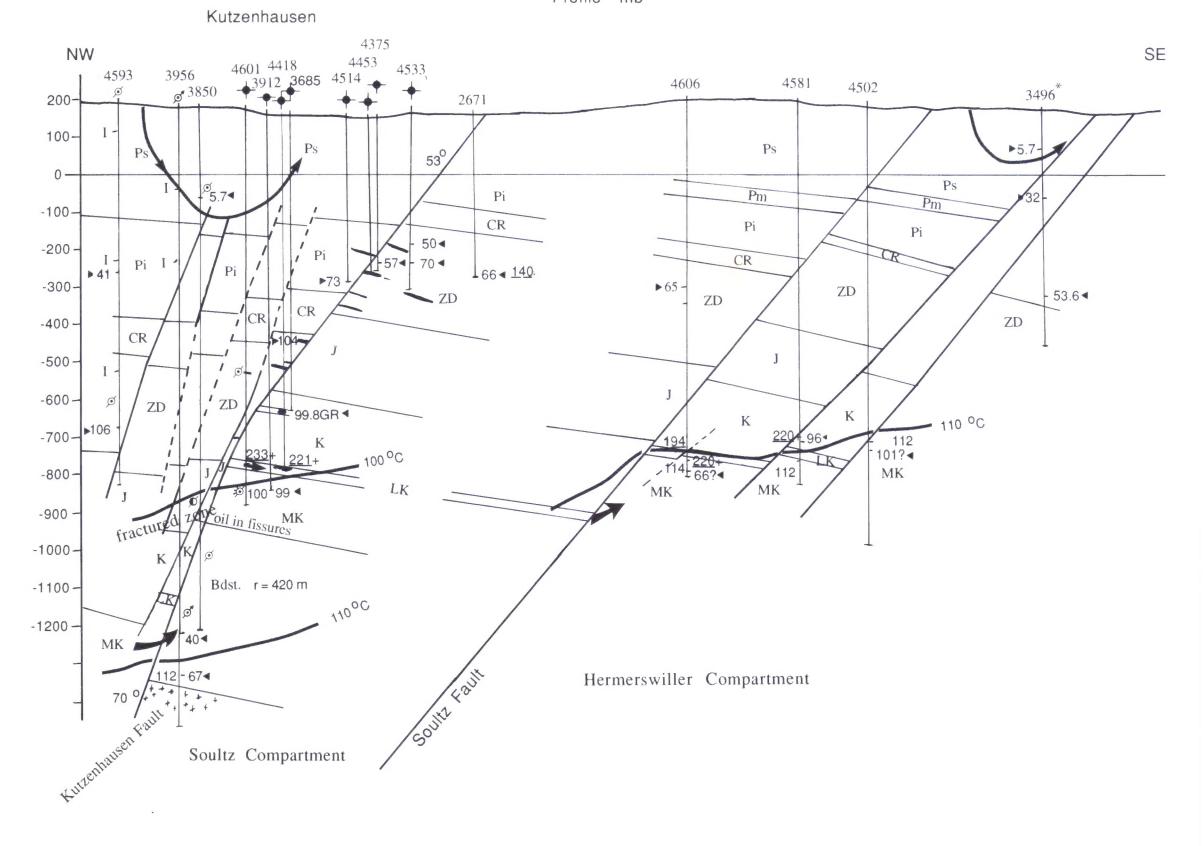




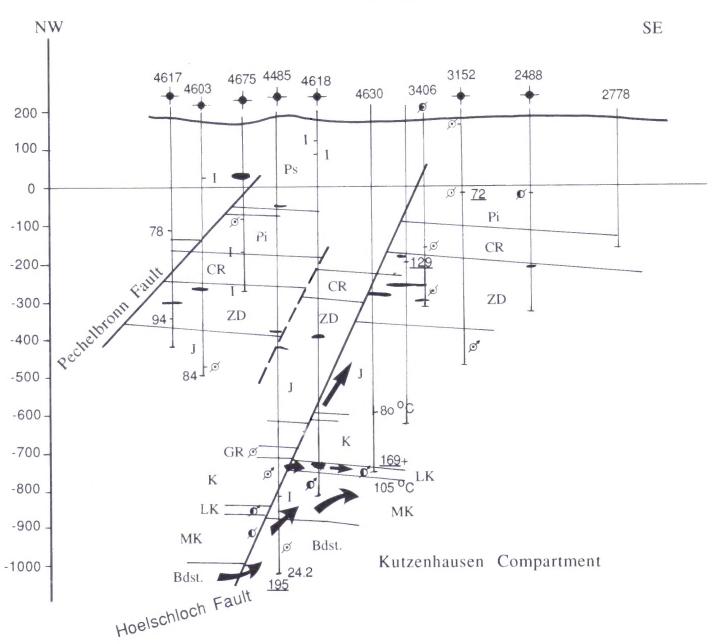
Profile IIIa SE



Profile IIIb

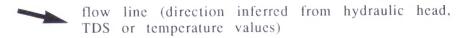


Profile IIIc





- 99: temperature (Celcius)
- 58: total dissolved solids (g/l)
- 168: hydraulic head value (m) from DST or water level measurement





* projected

for abbreviations and symbols see list

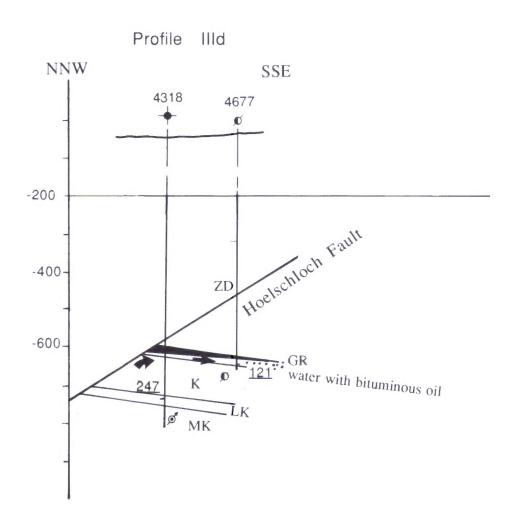
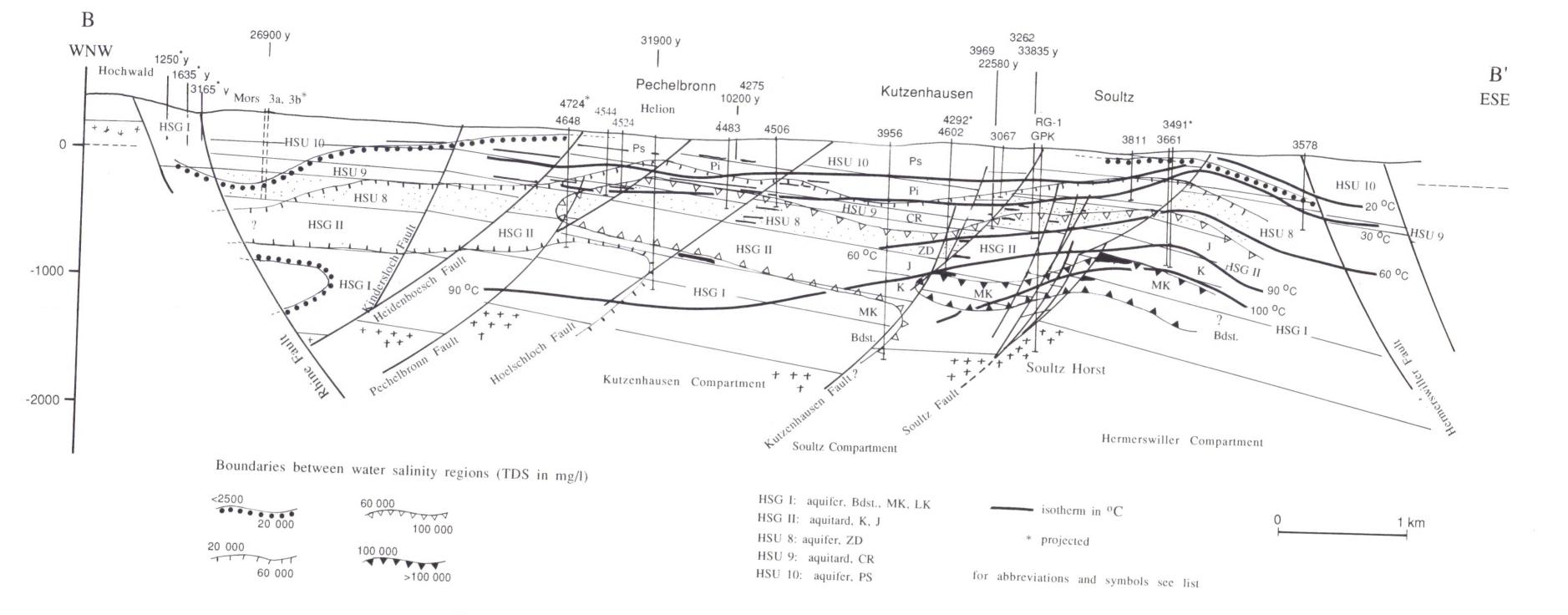
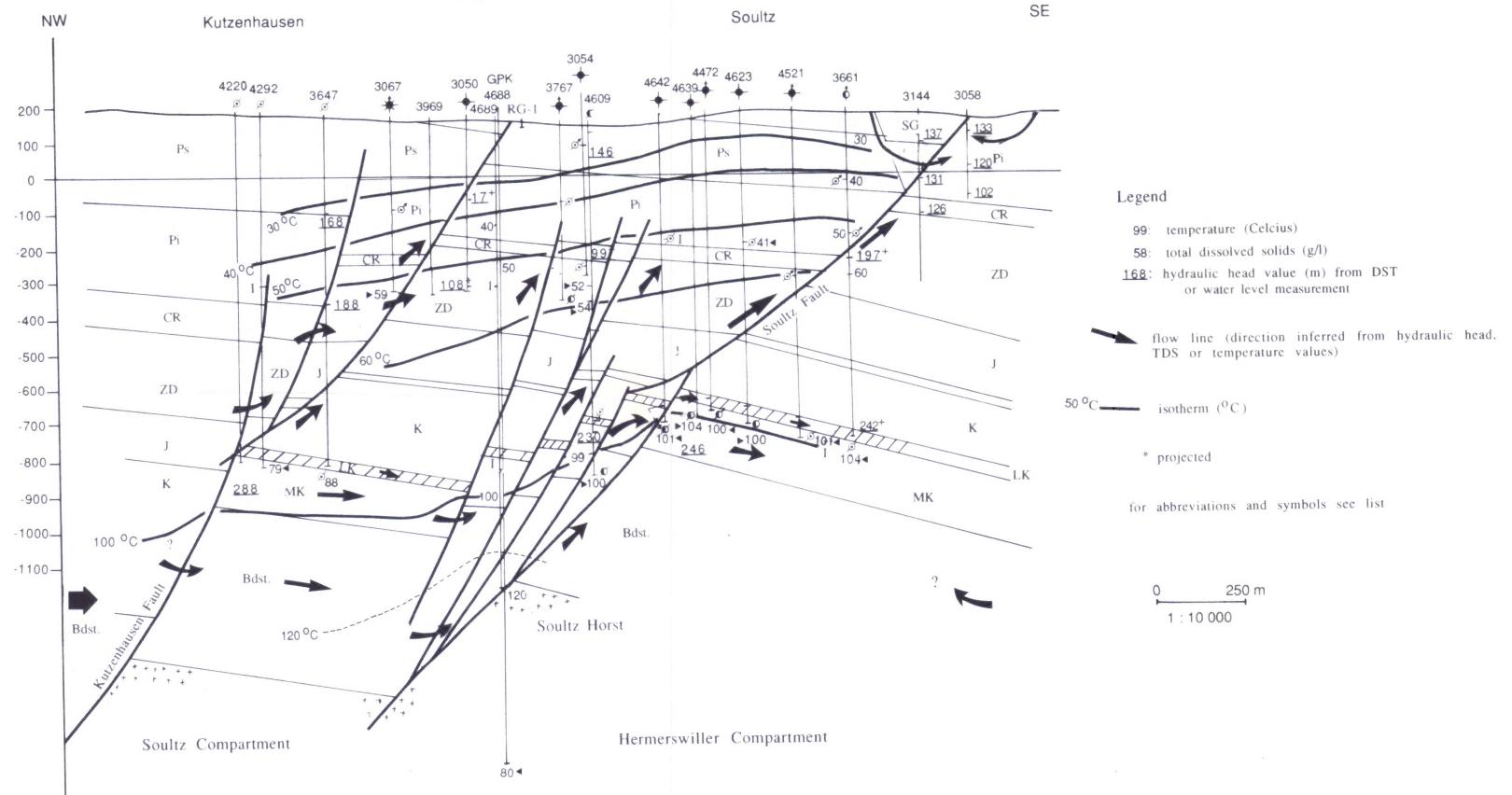


Figure 75 Profiles IIIa, IIIb, IIIc, IIId south of Pechelbronn and near Kutzenhausen showing geology, oil pools, formation water salinities, subsurface temperatures, hydraulic heads and inferred groundwater flow directions



Profile B-B': General increase in salinity and ¹⁴C age of formation waters and subsurface temperatures towards the Kutzenhausen-Soultz discharge area with groundwater flow direction, modified by the channelling-effect of fault zones in the Pechelbronn-Soultz Basin; section also shows anoverview of Tertiary and Triassic oil pools



Profile IV at Kutzenhausen and Soultz showing a complex geology, oil pools, formation water salinities, subsurface temperatures, isotherms, hydraulic heads and inferred groundwater flow directions

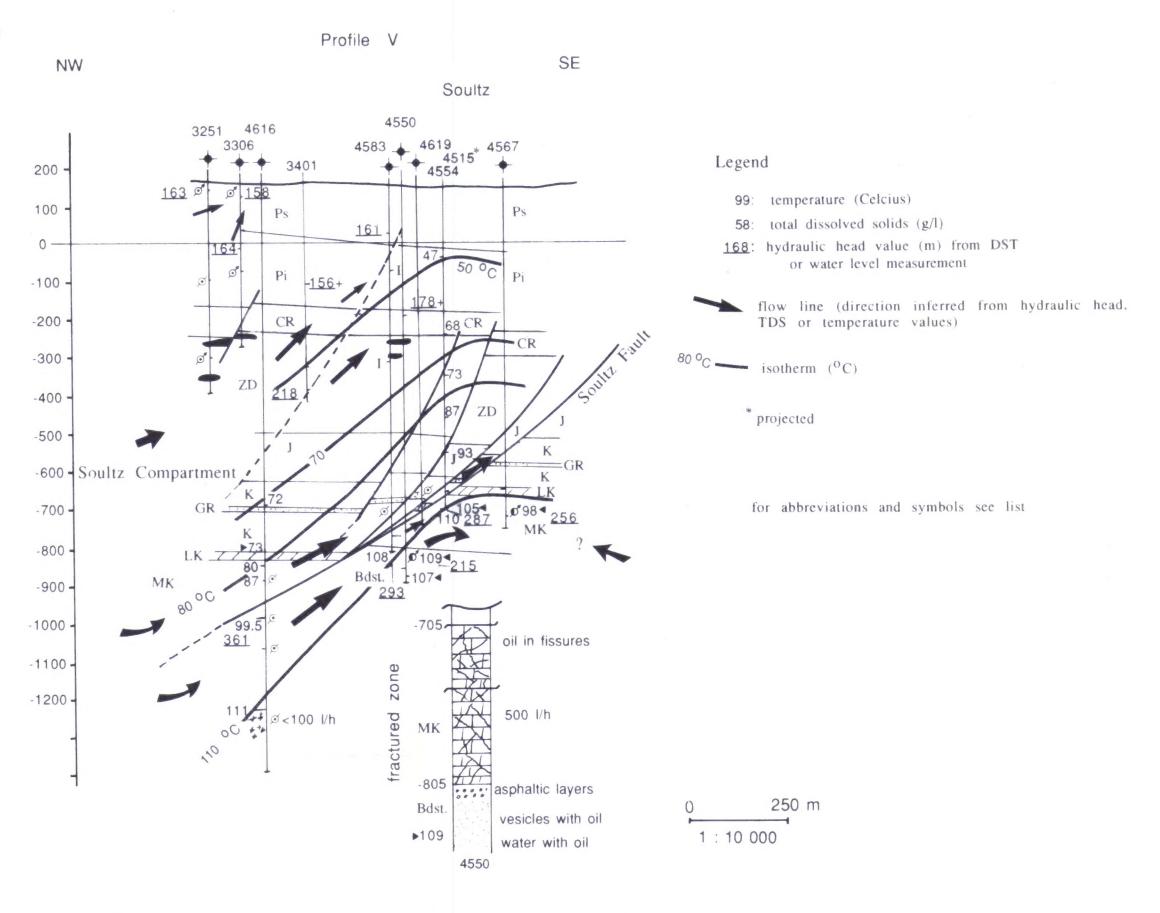
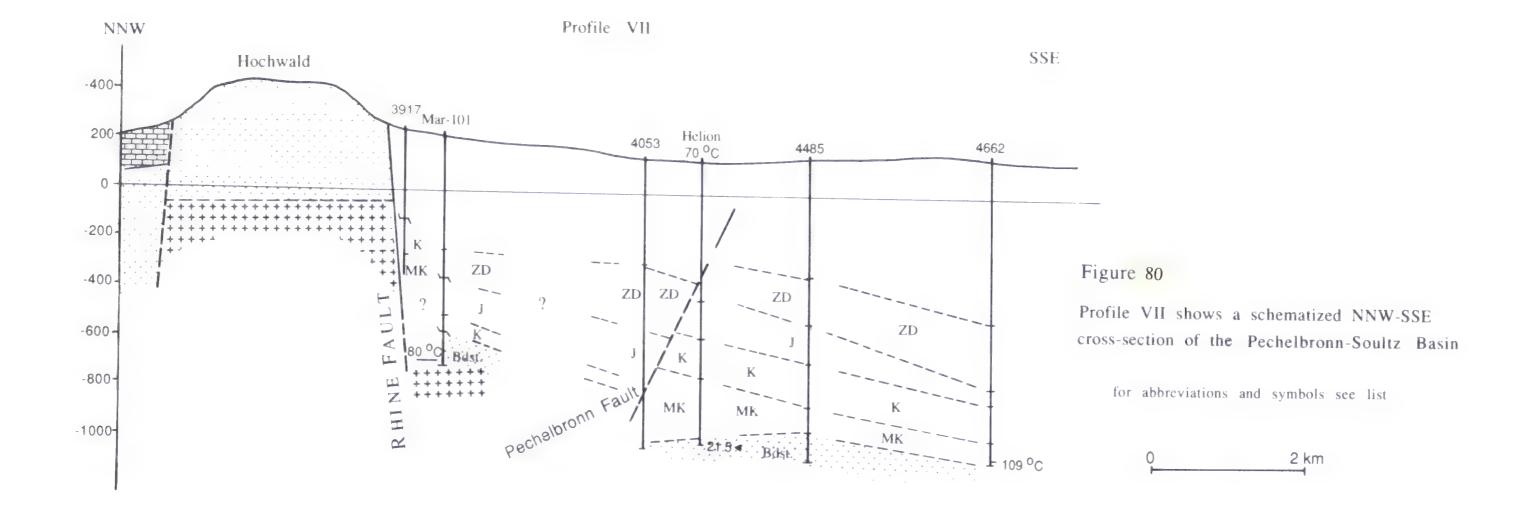


Figure 78 Profile V at Soultz showing a complex geology, oil pools, formation water salinities, subsurface temperatures, isotherms, hydraulic heads and inferred groundwater flow directions



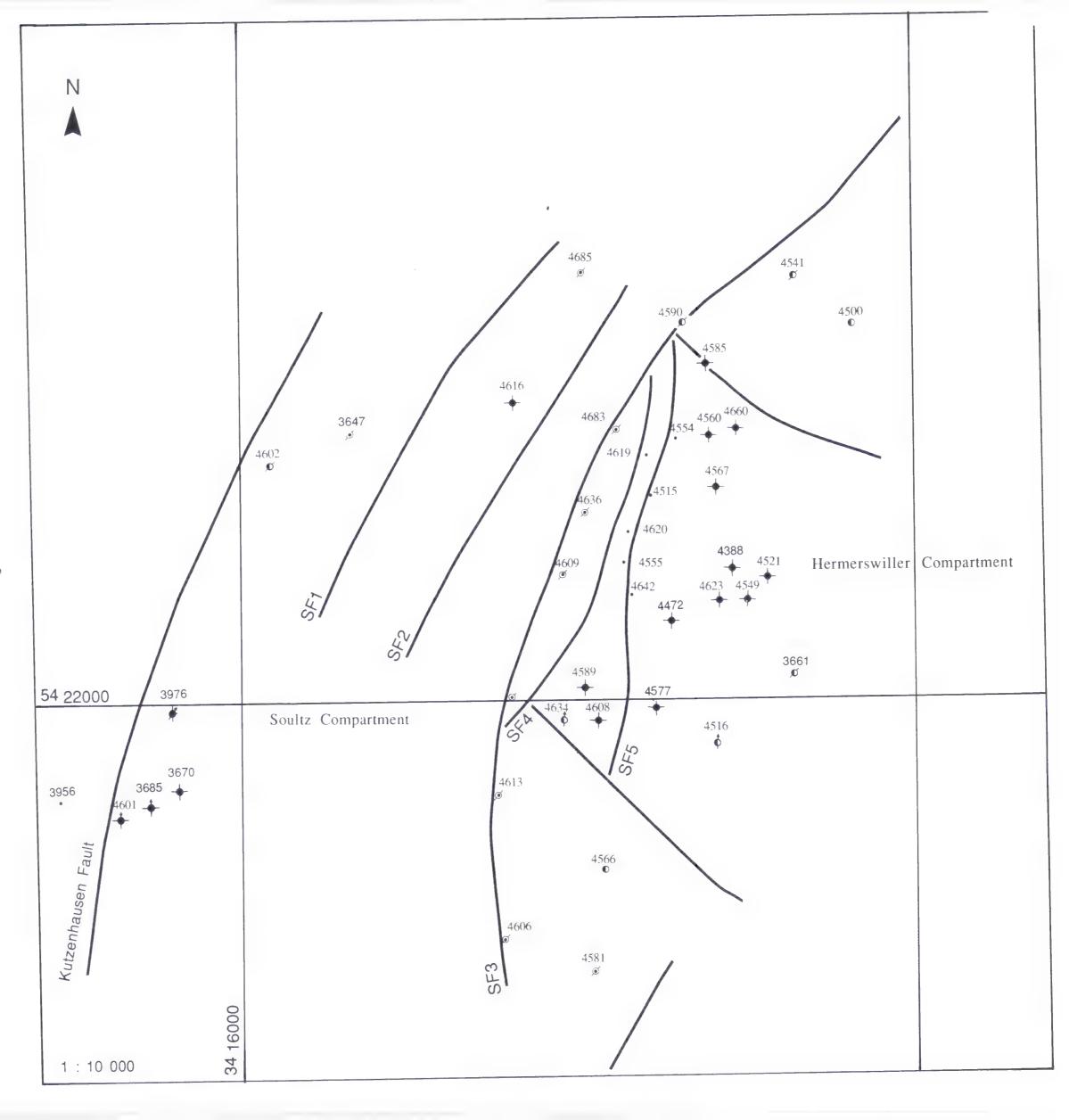
Legend

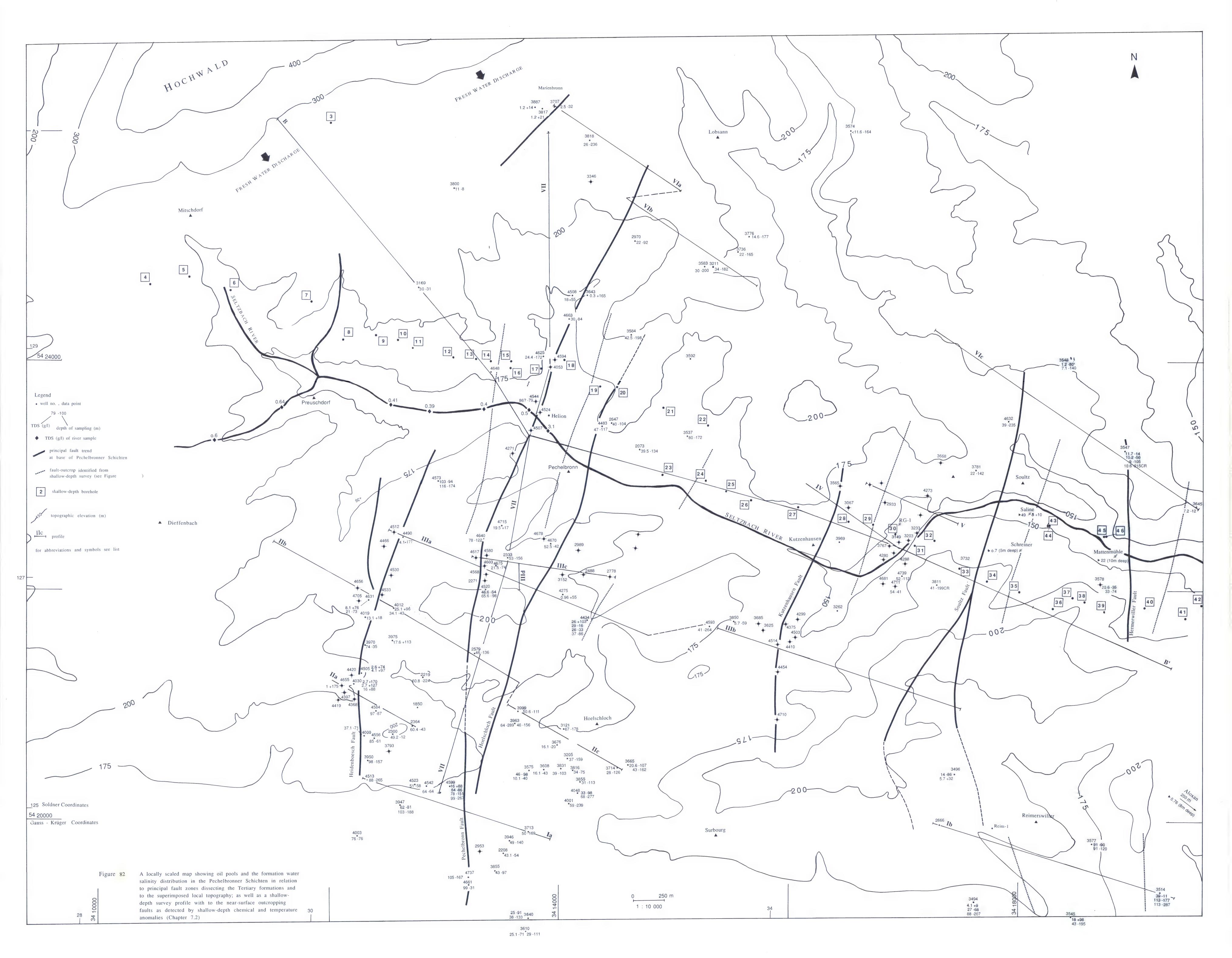
• well no. (SAEM, PREPA, TOTAL)

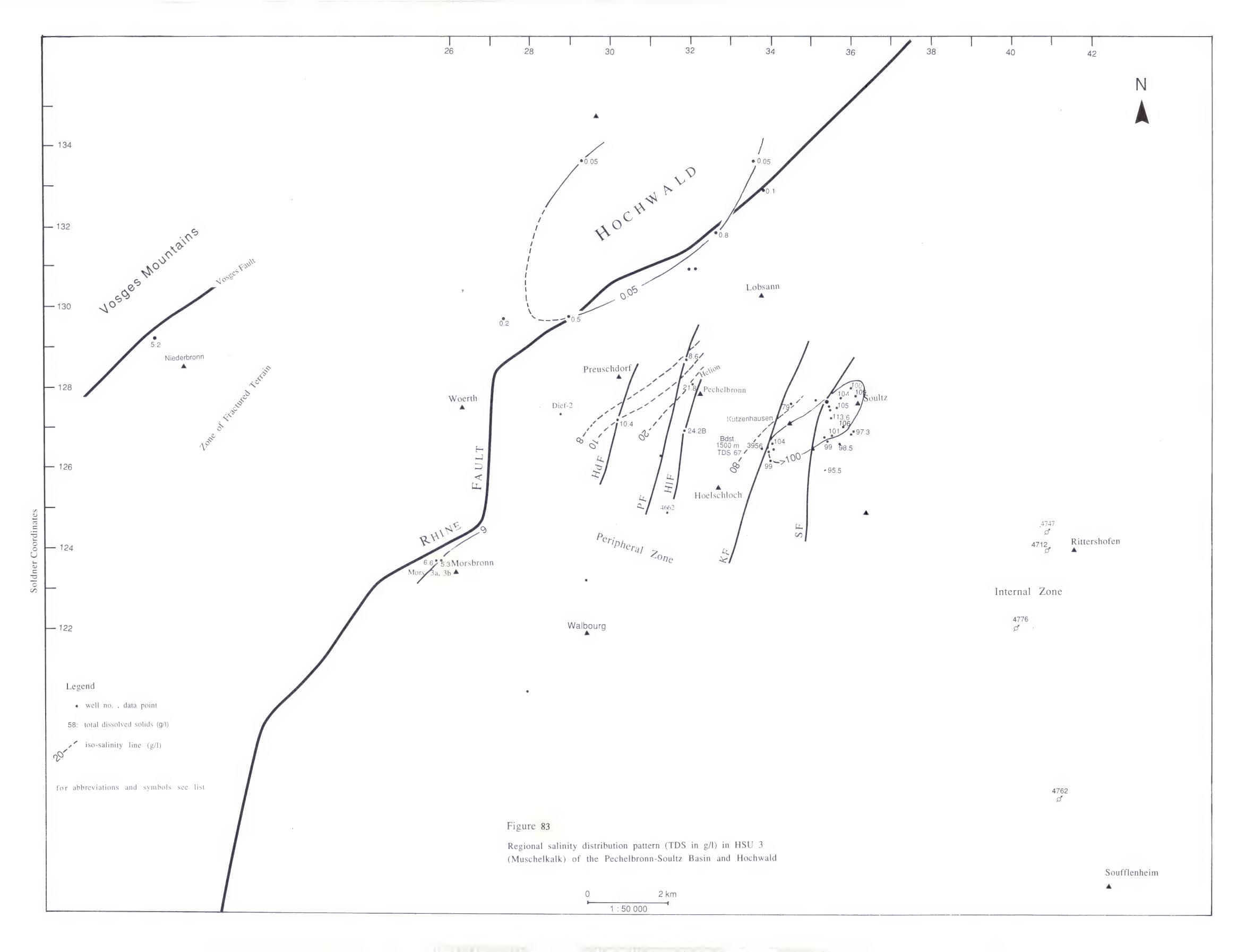
for abbreviations and symbols see list

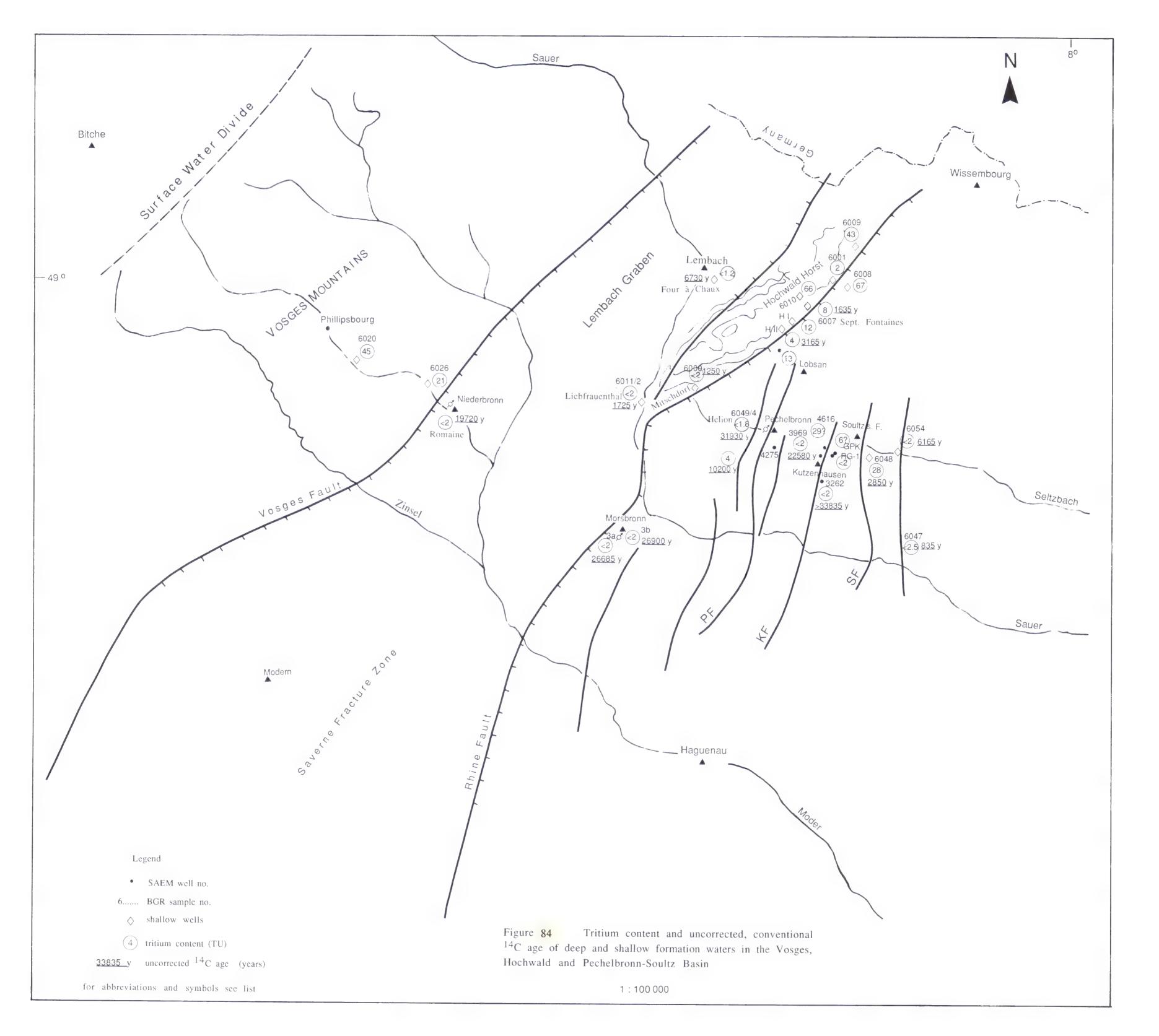
Figure 81

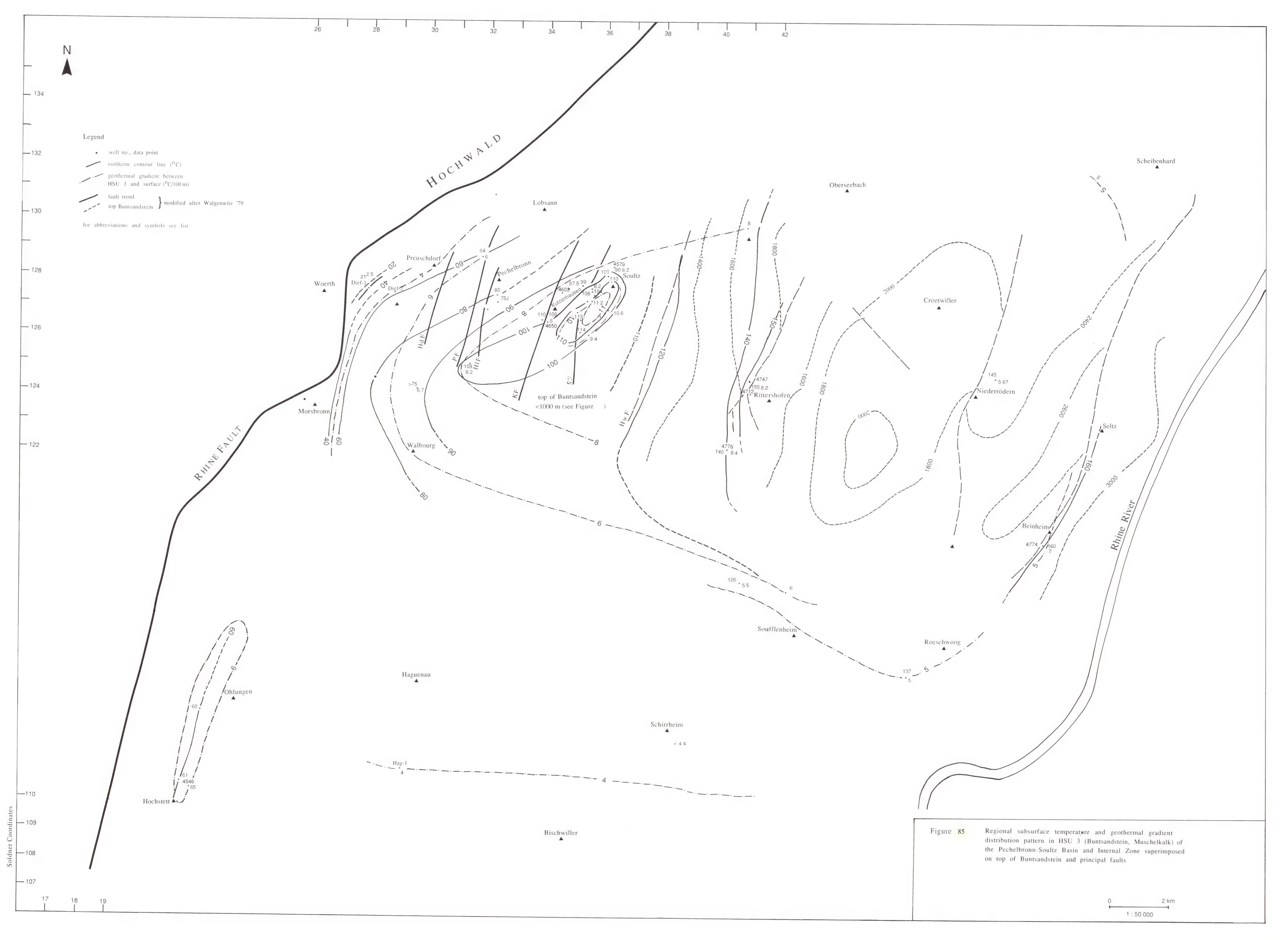
The Lettenkohle is productive in the up-dip section of the formation in the footwall of the Kutzenhausen and Soultz Faults

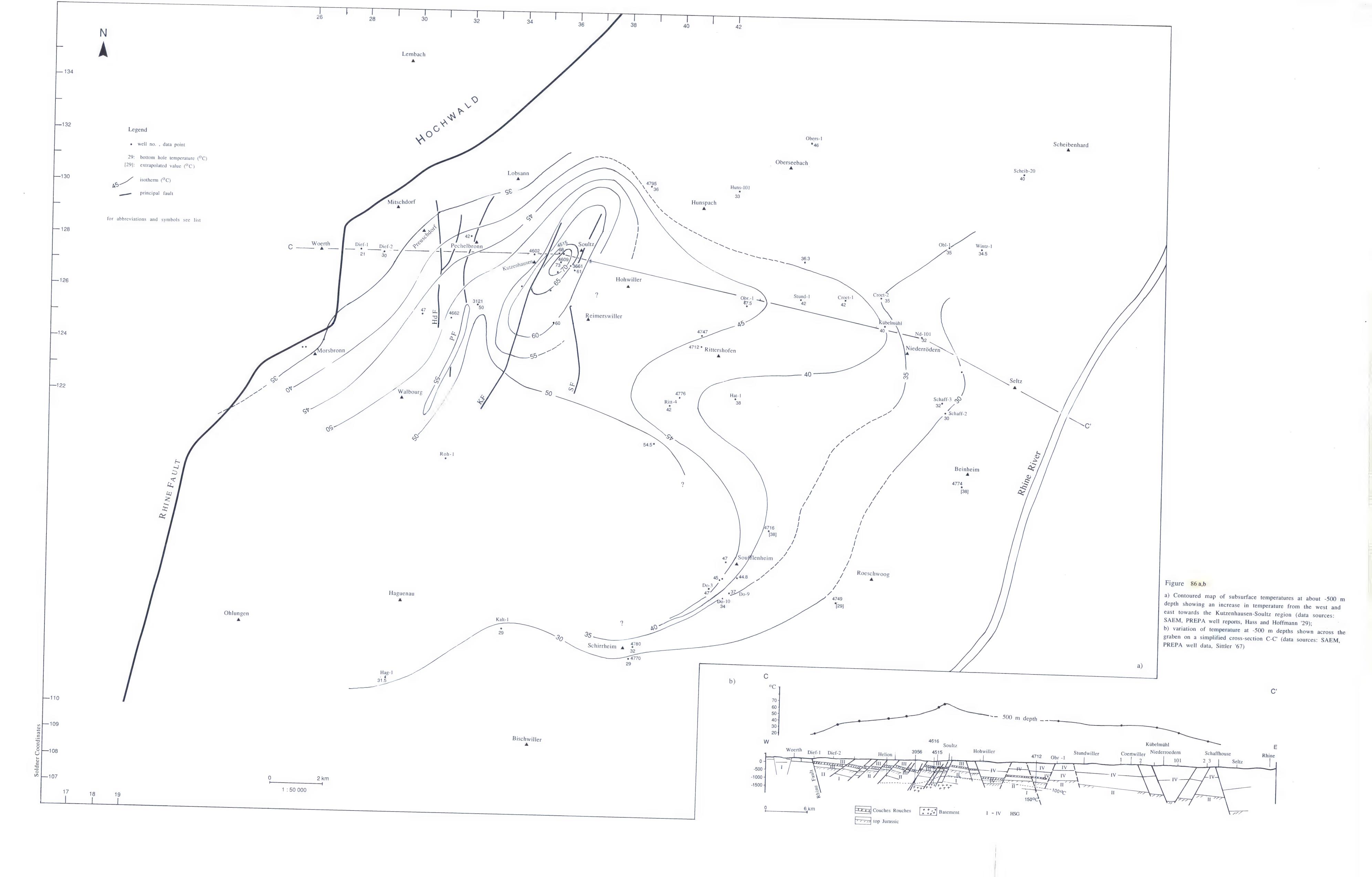


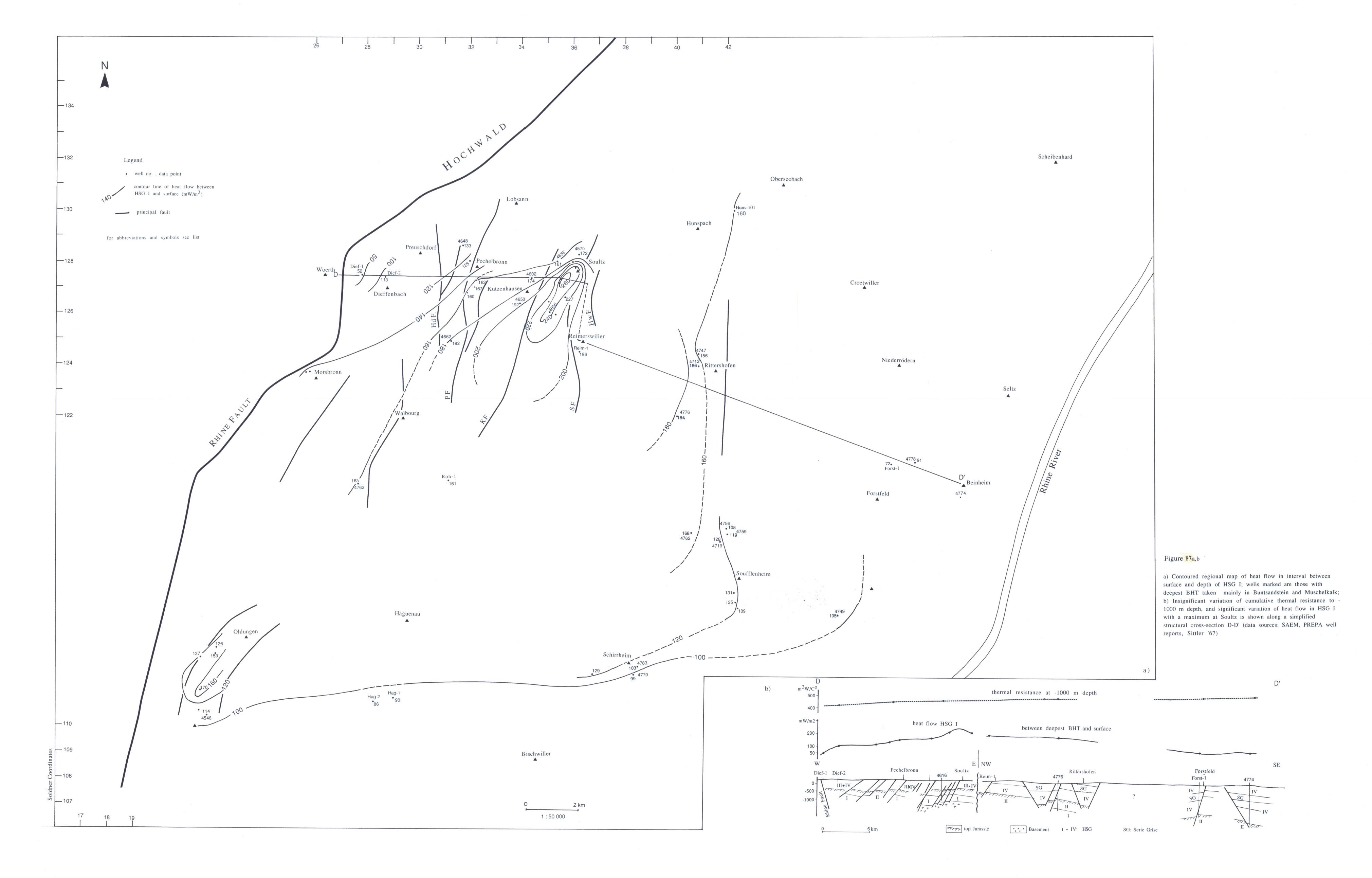


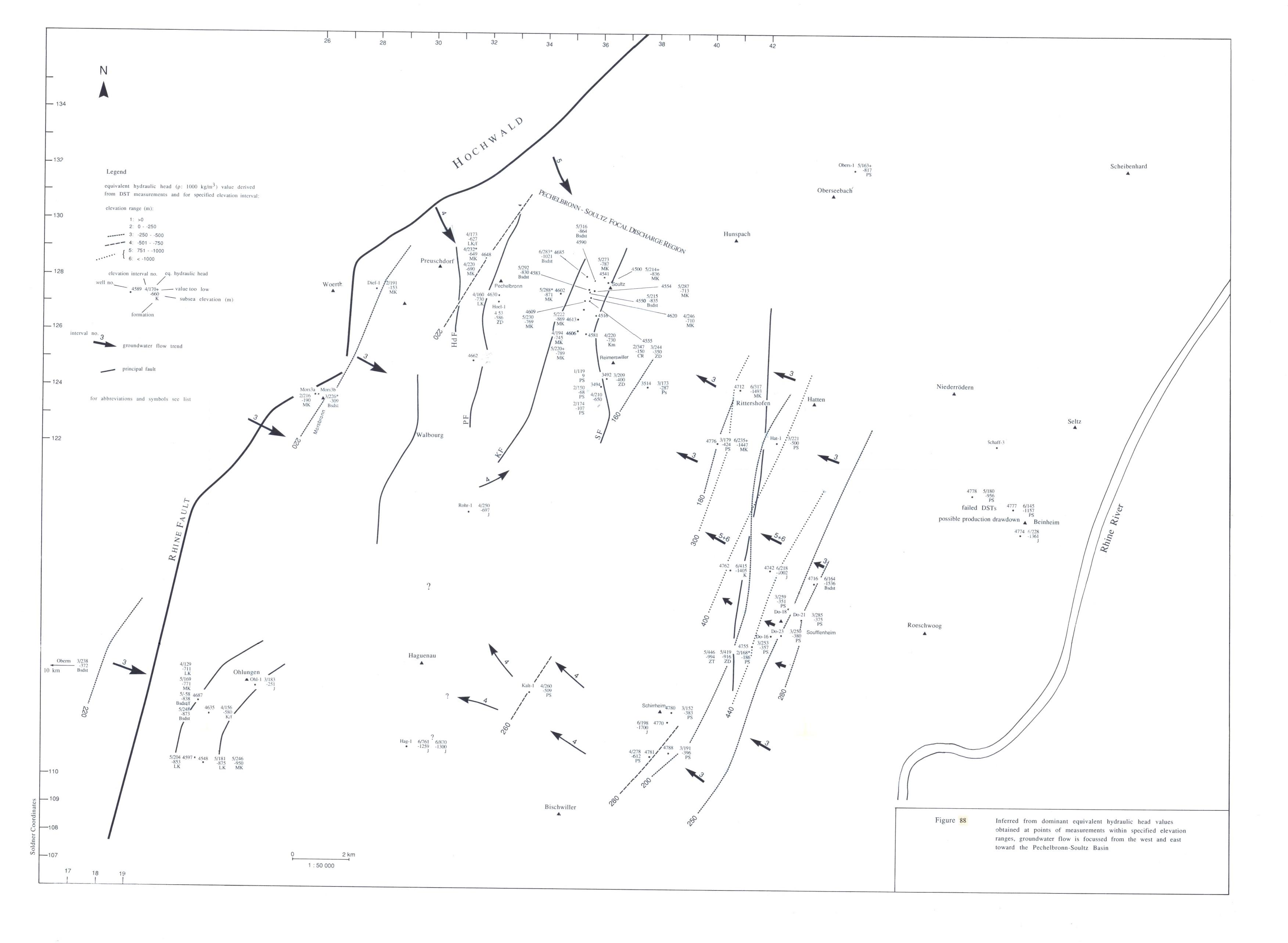












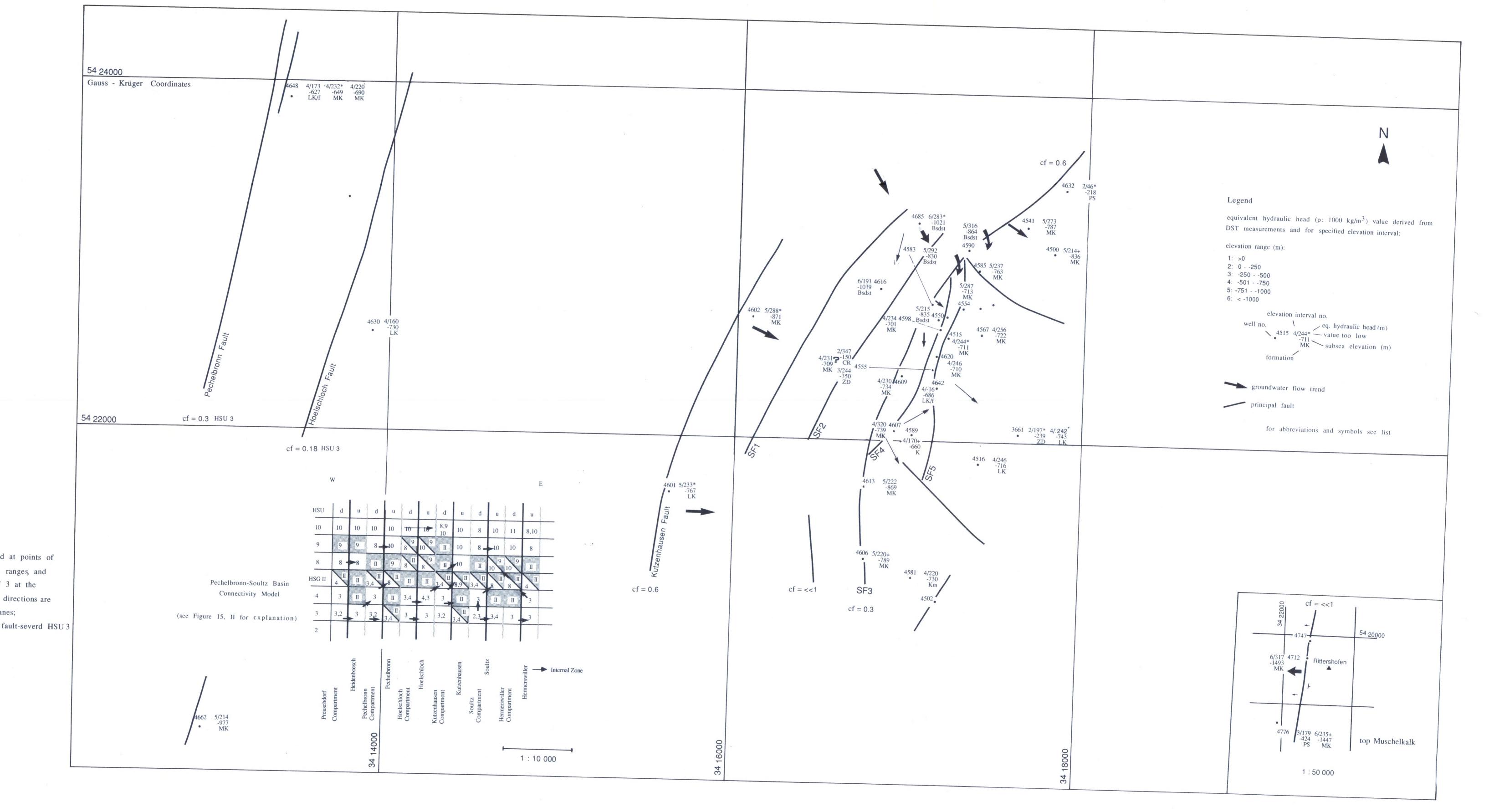


Figure 89

Equivalent hydraulic head values obtained at points of measurements within specified elevation ranges, and inferred groundwater flow trends in HSU 3 at the Kutzenhausen-Soultz region; groundwater directions are dominantly upward along/across fault planes; the connectivity factor indicates that the fault-severd HSU 3 is continuous.

